ODS 166

OBSTRUCTION DATA SHEET

ODS 166
CHICAGO - O'HARE INTERNATIONAL AIRPORT
CHICAGO, ILLINOIS

DIGITIZED FROM

OC 166
SURVEYED OCTOBER 1988
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C 55.411/3:

OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS (and OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)

2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows (see footnote 2 on page 3):

A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C ..... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D ..... Nonutility runway - nonprecision instrument approach with visibility minimums as low as 3/4 mile
PIR ..... Precision instrument runway
SUPLC ... Supplemental C underlying a B(V)

FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.

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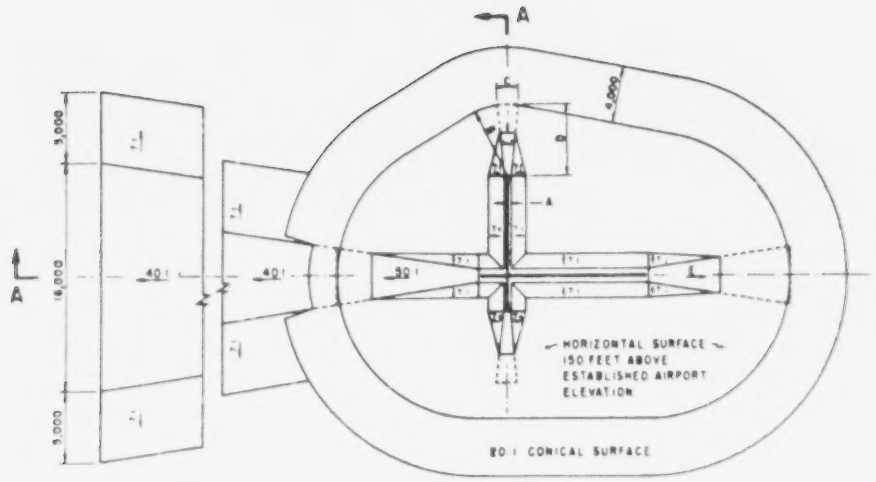
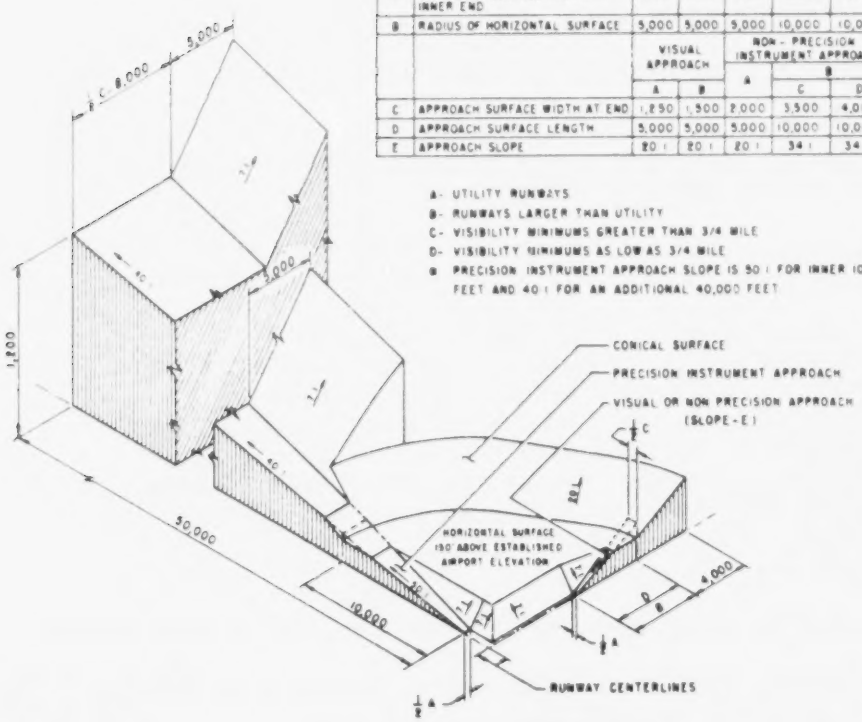


DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
					C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
					C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

A- UTILITY RUNWAYS
B- RUNWAYS LARGER THAN UTILITY
C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
* PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X^{1}	X^{2}	XXXX/XXXX[3]	XXXXXX.XXX[4]	XXXXXXX.XXX[4]	XXXXXXX[5]	XXXX/XXXX[6]	XXXXXX.XXX[7]	XXXXXXX.XXX[7]

OBJECT	LAT	LONG	A[8]	ELEV[9]	AGL[10]	HAR[11]	HAT[11]	HAA[11]	DEND[12]	DTHR[12]	DCLN[12]	PNTR[13]
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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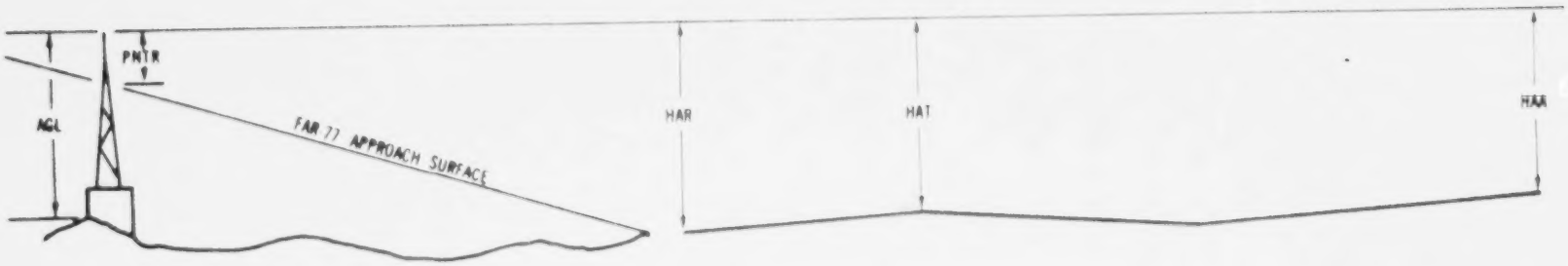

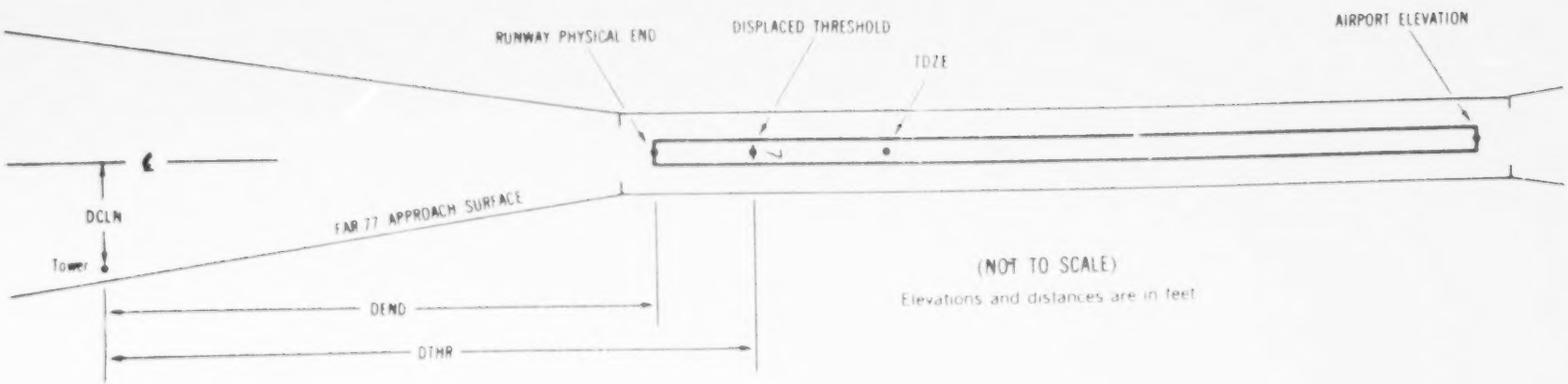

(NOT TO SCALE)

Elevations and distances are in feet

EXPLANATION OF FOOTNOTES

[1] Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary area of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.

[2] For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)

[3] Reference runway approach physical end elevation/touchdown zone elevation

[4] Latitude and longitude of reference runway approach physical end

[5] Reference runway geodetic azimuth reckoned clockwise from south

[6] Reference runway displaced threshold elevation/touchdown zone elevation

[7] Latitude and longitude of reference runway displaced threshold

[8] Accuracy Code:

Horizontal	Vertical
1 = 20	A = 2
2 = 40	B = 5
	C = 20

[9] Mean Sea Level (MSL) elevation at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.

[10] Height above ground level (AGL). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ±10 feet.

[11] HAA - Height above airport
HAR - Height above reference runway approach physical end
HAT - Height above reference runway touchdown zone elevation

[12] DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway threshold
DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft.

A negative value for DEND or DTHR indicates object is in primary area on roll-out side of zero distance point.

[13] PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

OC0166

AIRPORT ELEVATION 667

4L PIR 656/659 415853.890N 0875449.843W 2192934

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	415950.87	0875342.35	1A	652		-4	-7	-15	-7692		264R	4
ROD ON OL GLIDE SLOPE	415945.33	0875358.17	1A	691		35	32	24	-6500		300L	42
ROD ON OL TRANSMISSOMTR	415936.22	0875411.45	1A	666		10	7	-1	-5151		488L	15
OL VOR/DME	415915.52	0875417.37	1A	685		29	26	18	-3250		500R	30
LIGHT STANDARD	415847.95	0875505.78	1A	684		28	25	17	1230		546L	7
LIGHT STANDARD	415839.26	0875456.05	1A	681		25	22	14	1441		580R	0
BUSH	415835.94	0875513.19	1A	678		22	19	11	2523		206L	-24
OL ON ANEMOMETER	415829.26	0875507.04	1A	682		26	23	15	2750		583R	-25
OL DME	415812.21	0875530.19	1A	681		25	22	14	5194		331R	-75
ROD ON WIND INSTRUMENT	415808.35	0875552.59	1A	719		63	60	52	6572		727L	-64
OL ON TANK	415727.48	0875620.52	1A	810		154	151	143	11106		275R	-69

22R PIR 648/652 415951.061N 0875346.677W 0393016

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL VOR/DME	415915.52	0875417.37	1A	685		37	33	18	-4250		500L	30
ROD ON OL TRANSMISSOMTR	415936.22	0875411.45	1A	666		18	14	-1	-2349		488R	15
ROD ON OL GLIDE SLOPE	415945.33	0875358.17	1A	691		43	39	24	-1000		300R	42
BUSH	415950.87	0875342.35	1A	652		4	0	-15	192		264L	4
BUSH	415954.68	0875347.94	1A	653		5	1	-14	222		307R	5
TREE	415957.98	0875345.91	1A	665		17	13	-2	578		401R	9
TREE	415957.58	0875344.21	1A	668		20	16	1	628		277R	11
ANTENNA ON BUILDING	415954.56	0875337.66	1A	659		11	7	-8	706		300L	1
TREE	420004.53	0875343.05	1A	681		33	29	14	1226		655R	12
TREE	420001.86	0875322.95	1A	700		52	48	33	1983		687L	16
SIGN	420010.89	0875315.67	1A	705		57	53	38	3038		529L	0
OL ON BUILDING	420018.36	0875317.75	1A	712		64	60	45	3522		73R	-2

OC0166

AIRPORT ELEVATION 667

4R PIR 661/661 415711.865N 0875357.706W 2213023

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	415800.81	0875252.60	1A	684		23	23	17	-6971		400R	32
ANTENNA ON BUILDING	415720.74	0875338.83	1A	673		12	12	6	-1618		473R	17
OL ON GLIDE SLOPE	415717.01	0875344.54	1A	703		42	42	36	-1049		400R	45
TREE	415702.29	0875402.72	1A	677		16	16	10	977		359R	0
TREE	415657.54	0875404.01	1A	695		34	34	28	1402		604R	10
TREE	415703.19	0875416.02	1A	701		40	40	34	1575		455L	13
APPROACH LIGHT	415658.69	0875413.48	1A	695		34	34	28	1789		8L	2
LIGHT STANDARD	415650.23	0875422.68	1A	713		52	52	46	2891		38R	-2
ANTENNA	415521.86	0875654.32	1A	905	221	244	244	238	17184		2622L	-131

22L PIR 654/654 415811.567N 0875246.908W 0413110

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	415717.01	0875344.54	1A	703		49	49	36	-7021		400L	45
ANTENNA ON BUILDING	415720.74	0875338.83	1A	673		19	19	6	-6453		473L	17
OL ON GLIDE SLOPE	415800.81	0875252.60	1A	684		30	30	17	-1100		400L	32
ANTENNA ON BUILDING	415813.23	0875240.78	1A	663		9	9	-4	433		235L	4
LIGHT STANDARD	415812.15	0875238.00	1A	663		9	9	-4	490		465L	3
LIGHT STANDARD	415815.95	0875239.05	1A	664		10	10	-3	726		150L	-1
POLE	415825.05	0875233.34	1A	683		29	29	16	1701		137R	-1
POLE	415831.22	0875233.27	1A	692		38	38	25	2172		547R	-1
TREE	415833.32	0875234.56	1A	699		45	45	32	2267		761R	4
POLE	415829.12	0875222.74	1A	700		46	46	33	2541		189L	-1
CRANE ON OL BUILDING	415848.70	0875154.31	1A	768		114	114	101	5448		482L	9
STACK ON OL BUILDING	415847.44	0875147.15	1A	760		106	106	93	5711		972L	-4
ROD ON BUILDING	415852.66	0875133.56	1A	782		128	128	115	6787		1390L	-4

OC0166

AIRPORT ELEVATION 667

9L PIR 660/660 415901.925N 08755 5.841W 2695856

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	415906.71	0875334.14	1A	683		23	23	16	-6926		483L	32
OL ON GLIDE SLOPE	415906.67	0875336.56	1A	692		32	32	25	-6743		479L	41
ROD ON OL TRANSMISSOMTR	415906.00	0875338.73	1A	666		6	6	-1	-6580		411L	15
ROD ON OL TRANSMISSOMTR	415905.85	0875447.40	1A	676		16	16	9	-1393		397L	17
OL TRANSMISSOMETER	415905.97	0875450.64	1A	674		14	14	7	-1148		409L	15
GROUND	415906.73	0875504.55	1A	662		2	2	-5	-97		487L	2
GROUND	415906.31	0875508.50	1A	661		1	1	-6	201		444L	1
ANTENNA ON BUILDING	415859.38	0875515.87	1A	676		16	16	9	758		257R	5
OL ON LOCALIZER	415901.92	0875517.75	1A	671		11	11	4	900		0R	-3
TREE	415906.01	0875547.20	1A	691		31	31	24	3123		414L	-27
TREE	415859.65	0875554.00	1A	734		74	74	67	3638		229R	5
OL RADIO TOWER	415926.04	0880139.08	2A	1413	695	753	753	746	29696		2469L	66

OC0166

AIRPORT ELEVATION 667

27R PIR 650/654 415901.936N 0875320.366W 0900006

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	415906.31	0875508.50	1A	661		11	7	-6	-8167		444R	1
GROUND	415906.73	0875504.55	1A	662		12	8	-5	-7869		487R	2
OL TRANSMISSOMETER	415905.97	0875450.64	1A	674		24	20	7	-6818		409R	15
ROD ON OL TRANSMISSOMTR	415905.85	0875447.40	1A	676		26	22	9	-6574		397R	17
ROD ON OL TRANSMISSOMTR	415906.00	0875338.73	1A	666		16	12	-1	-1387		411R	15
OL ON GLIDE SLOPE	415906.67	0875336.56	1A	692		42	38	25	-1223		479R	41
OL ON GLIDE SLOPE	415906.71	0875334.14	1A	683		33	29	16	-1040		483R	32
LOCALIZER	415901.94	0875310.27	1A	650		0	-4	-17	763		0R	-11
LIGHTPOLE	415907.04	0875308.90	1A	663		13	9	-4	866		517R	0
LIGHTPOLE	415857.12	0875308.89	1A	664		14	10	-3	867		487L	1
LIGHTPOLE	415904.32	0875306.84	1A	666		16	12	-1	1021		241R	0
ANTENNA ON BUILDING	415856.14	0875305.95	1A	675		25	21	8	1089		587L	7
LIGHTPOLE	415905.93	0875305.92	1A	668		18	14	1	1091		405R	0
LIGHTPOLE	415859.66	0875303.97	1A	669		19	15	2	1238		230L	-2
SIGN	415854.99	0875229.33	1A	729		79	75	62	3855		703L	6
CRANE ON OL BUILDING	415848.70	0875154.31	1A	768		118	114	101	6500		1338L	-8
STACK ON OL BUILDING	415847.44	0875147.15	1A	760		110	106	93	7041		1466L	-27
ROD ON BUILDING	415852.66	0875133.56	1A	782		132	128	115	8067		937L	-25

9R PIR 666/666 415808.338N 0875515.451W 2695227

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	415804.57	0875314.84	1A	683		17	17	16	-9110		400R	32
OL ON GLIDE SLOPE	415804.82	0875457.97	1A	709		43	43	42	-1320		359R	47
OL DME	415812.21	0875530.19	1A	681		15	15	14	1113		395L	-3
ROD ON WIND INSTRUMENT	415808.35	0875552.59	1A	719		53	53	52	2806		7L	1
TREE	415817.96	0875604.56	1A	742		76	76	75	3708		982L	6

OC0166

AIRPORT ELEVATION 667

27L PIR 652/652 415808.536N 08753 1.222W 0895357

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	415804.82	0875457.97	1A	709		57	57	42	-8820		359L	47
OL ON GLIDE SLOPE	415804.57	0875314.84	1A	683		31	31	16	-1030		400L	32
ANTENNA ON BUILDING	415806.10	0875240.90	1A	667		15	15	0	1535		249L	-12
ANTENNA ON BUILDING	415813.23	0875240.78	1A	663		11	11	-4	1545		473R	-16
LIGHT STANDARD	415812.15	0875238.00	1A	663		11	11	-4	1755		362R	-20
POLE	415802.98	0875233.44	1A	687		35	35	20	2098		566L	-3
BUILDING	415800.84	0875231.85	1A	690		38	38	23	2218		783L	-2
OL ON SIGN	415812.20	0875218.94	1A	731		79	79	64	3195		365R	19
POLE	415814.75	0875217.46	1A	717		65	65	50	3307		623R	3
POLE	415808.04	0875215.28	1A	716		64	64	49	3470		56L	-1

14L PIR 652/652 420008.649N 0875455.102W 3195925

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	415906.67	0875336.56	1A	692		40	40	25	-8619		510L	41
ROD ON OL TRANSMISSOMTR	415906.00	0875338.73	1A	666		14	14	-1	-8565		341L	15
ROD ON OL TRANSMISSOMTR	415936.22	0875411.45	1A	666		14	14	-1	-4633		415L	15
OL ON GLIDE SLOPE	420002.86	0875441.67	1A	694		42	42	27	-1100		400L	44
ANTENNA ON BUILDING	420014.46	0875506.33	1A	667		15	15	0	996		271R	-1
LIGHT STANDARD	420018.28	0875519.12	1A	696		44	44	29	1913		762R	10
TREE	420020.59	0875521.13	1A	689		37	37	22	2190		728R	-3
TREE	420032.00	0875506.76	1A	714		62	62	47	2376		845L	18
LIGHT STANDARD	420023.41	0875525.46	1A	696		44	44	29	2618		794R	-4
TREE	420035.61	0875512.57	1A	701		49	49	34	2938		744L	-6
TREE	420027.04	0875528.04	1A	706		54	54	39	3025		708R	-2
TREE	420032.34	0875531.31	1A	712		60	60	45	3594		552R	-8
LIGHT STANDARD	420051.70	0875533.82	1A	734		82	82	67	5217		563L	-18

OC0166

AIRPORT ELEVATION 667

32R PIR 648/653 415852.950N 0875329.955W 1400022

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	420002.86	0875441.67	1A	694		46	41	27	-8903		400R	44
ROD ON OL TRANSMISSOMTR	415936.22	0875411.45	1A	666		18	13	-1	-5370		415R	15
ROD ON OL TRANSMISSOMTR	415906.00	0875338.73	1A	666		18	13	-1	-1438		341R	15
OL ON GLIDE SLOPE	415906.67	0875336.56	1A	692		44	39	25	-1384		510R	41
OL ON DME	415843.84	0875323.12	1A	670		22	17	3	1038		198L	5
TREE	415839.18	0875325.53	1A	677		29	24	10	1283		639L	7
LIGHT STANDARD	415837.96	0875322.03	1A	682		34	29	15	1548		517L	7
LIGHT STANDARD	415845.54	0875309.25	1A	674		26	21	7	1580		716R	-2
LIGHT STANDARD	415842.10	0875308.04	1A	678		30	25	11	1905		562R	-4
TREE	415837.27	0875304.96	1A	690		42	37	23	2430		426R	-3
LIGHT STANDARD	415815.95	0875239.05	1A	664		16	11	-3	5340		539R	-87
ANTENNA ON BUILDING	415813.23	0875240.78	1A	663		15	10	-4	5467		263R	-90
LIGHT STANDARD	415812.15	0875238.00	1A	663		15	10	-4	5687		353R	-95
OL ON GLIDE SLOPE	415800.81	0875252.60	1A	684		36	31	17	5857		1230L	-77
ANTENNA ON BUILDING	415806.10	0875240.90	1A	667		19	14	0	6015		209L	-97
OL ON SIGN	415812.20	0875218.94	1A	731		83	78	64	6608		1459R	-45
POLE	415802.98	0875233.44	1A	687		39	34	20	6619		21R	-89
BUILDING	415800.84	0875231.85	1A	690		42	37	23	6862		27L	-91
POLE	415808.04	0875215.28	1A	716		68	63	49	7108		1401R	-70
ANTENNA ON BUILDING	415758.81	0875227.96	1A	713		65	60	46	7208		66R	-75
ANTENNA	415755.57	0875208.69	1A	772		124	119	105	8395		971R	-40

OC0166

AIRPORT ELEVATION 667

14R PIR 665/667 415925.475N 0875559.081W 3195831

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	415752.53	0875420.89	1A	695		30	28	28	-11975		370R	44
TREE	415822.46	0875456.39	1A	682		17	15	15	-7930		476R	25
ROD ON OL TRANSMISSOMTR	415843.04	0875519.26	1A	681		16	14	14	-5224		459R	20
TREE	415848.57	0875526.30	1A	695		30	28	28	-4452		506R	33
TREE	415853.81	0875532.02	1A	702		37	35	35	-3769		496R	39
OL GLIDE SLOPE	415915.71	0875555.00	1A	709		44	42	42	-955		400R	42
BUSH	415923.95	0875601.93	1A	667		2	0	0	20		264R	2
OL LOCALIZER	415930.39	0875604.61	1A	669		4	2	2	650		0L	-5
ANTENNA ON BUILDING	415934.91	0875604.15	1A	683		18	16	16	977		321L	2
OL ON DME	415934.77	0875605.82	1A	684		19	17	17	1048		215L	2
RAILROAD	415932.99	0875619.62	1A	687		22	20	20	1580		699R	-6
FLAGPOLE	415935.94	0875624.64	1A	714		49	47	47	2053		797R	12
OL ON BUILDING	415940.90	0875624.54	1A	711		46	44	44	2432		468R	1
TREE	415945.86	0875624.39	1A	720		55	53	53	2809		136R	3
ROD ON WIND INSTR AT MMR	415947.34	0875622.75	1A	718		53	51	51	2845		55L	0
BUILDING	415959.34	0875620.15	1A	735		70	68	68	3648		986L	1

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AIRPORT ELEVATION 667

32L PIR 650/654 415747.115N 08754 8.421W 1395945

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	415923.95	0875601.93	1A	667		17	13	0	-13020		264L	2
OL GLIDE SLOPE	415915.71	0875555.00	1A	709		59	55	42	-12044		400L	42
TREE	415853.81	0875532.02	1A	702		52	48	35	-9231		496L	39
TREE	415848.57	0875526.30	1A	695		45	41	28	-8547		506L	33
ROD ON OL TRANSMISSOMTR	415843.04	0875519.26	1A	681		31	27	14	-7776		459L	20
TREE	415822.46	0875456.39	1A	682		32	28	15	-5070		476L	25
OL ON GLIDE SLOPE	415752.53	0875420.89	1A	695		45	41	28	-1025		370L	44
LOCALIZER	415739.41	0875359.75	1A	658		8	4	-9	1019		0R	-8
DME	415737.17	0875401.38	1A	668		18	14	1	1113		240L	0
POLE	415728.10	0875359.71	1A	686		36	32	19	1897		733L	2
POLE	415728.99	0875351.82	1A	681		31	27	14	2212		219L	-9
ANTENNA ON BUILDING	415720.74	0875338.83	1A	673		23	19	6	3483		4L	-43
OL ON GLIDE SLOPE	415717.01	0875344.54	1A	703		53	49	36	3494		577L	-13

18 SUPLC 646/651 415950.586N 08754 1.241W 3595953

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	415945.33	0875358.17	1A	691		45	40	24	-533		232L	44
BUSH	415953.52	0875358.31	1A	650		4	-1	-17	297		221L	1
BUSH	415953.66	0875403.33	1A	655		9	4	-12	311		158R	6
BUSH	415956.78	0875404.24	1A	669		23	18	2	627		226R	10
TREE	420008.78	0875356.96	1A	710		64	59	43	1841		323L	16
TREE	420012.84	0875406.31	1A	709		63	58	42	2253		382R	3

OC0166

AIRPORT ELEVATION 667

ARP 415846.435N 0875415.837W

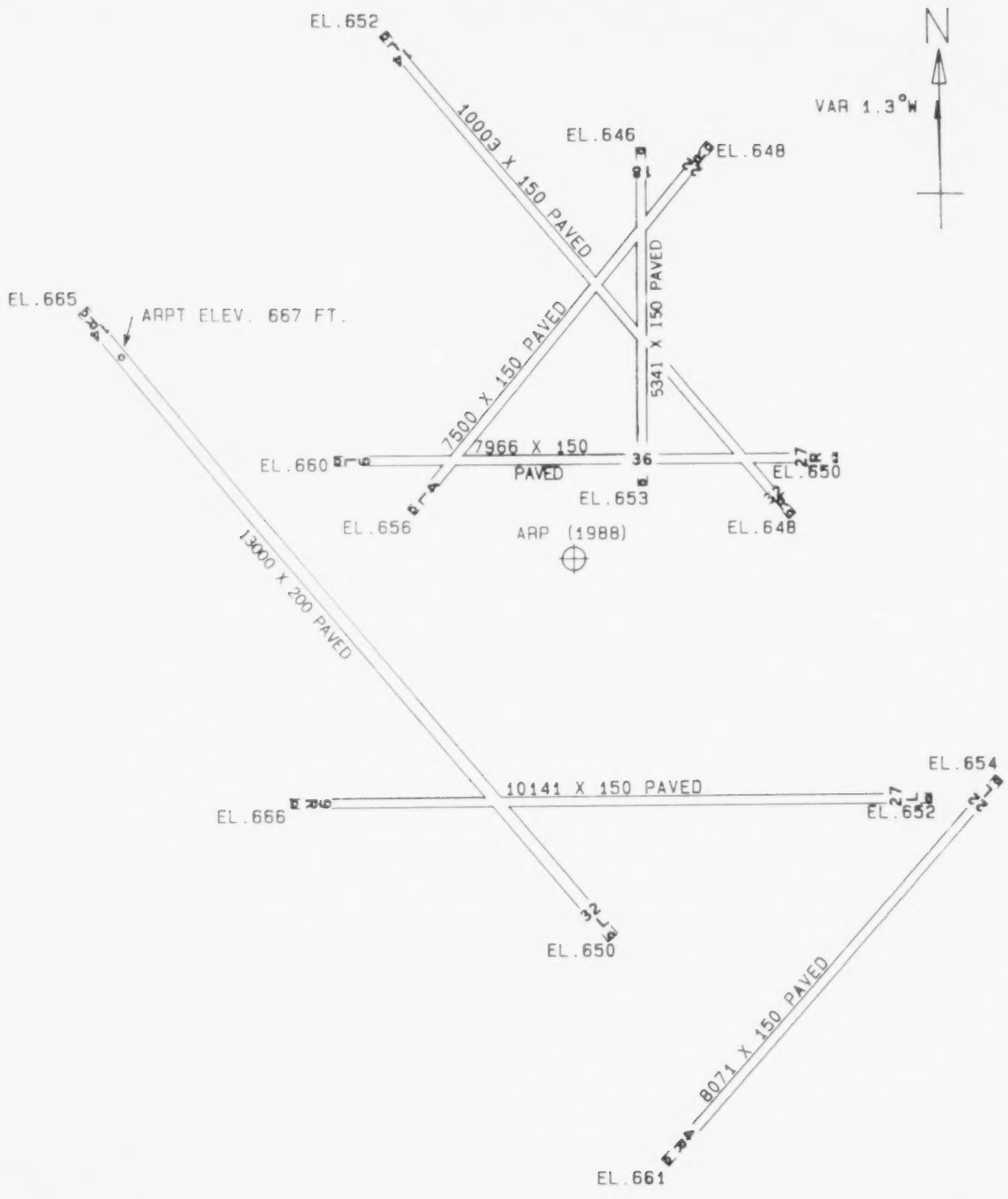
OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
ROD ON OL CONTROL TOWER	415838.04	0875415.50	1A	852	201	185	179 34	850
LIGHT STANDARD	415853.52	0875422.41	1A	704		37	326 37	873
LIGHT STANDARD	415855.95	0875405.94	1A	692		25	39 6	1219
LIGHT STANDARD	415851.09	0875435.61	1A	712		45	288 48	1566
LIGHT STANDARD	415856.01	0875355.34	1A	688		21	59 15	1827
ANTENNA ON OL TOWER	415845.87	0875351.16	1A	815		148	93 3	1865
LIGHT STANDARD	415823.21	0875437.89	1A	670		3	216 38	2881
LIGHT STANDARD	415815.35	0875419.38	1A	676		9	186 10	3158
OL ON GLIDE SLOPE	415907.71	0875451.08	1A	694		27	310 16	3424
SIGN	415838.88	0875326.11	1A	681		14	102 49	3833
LIGHT STANDARD	415856.22	0875512.97	1A	686		19	284 14	4428
VENT ON OL BUILDING	415852.83	0875315.70	1A	688		21	83 11	4588
LIGHT STANDARD	415800.59	0875444.37	1A	701		34	206 13	5116
LIGHT STANDARD	415854.88	0875308.76	1A	675		8	81 43	5138
POLE	415908.73	0875307.31	1A	672		5	67 44	5646
LIGHT STANDARD	415909.33	0875525.33	1A	690		23	295 8	5737
LIGHT STANDARD	415748.89	0875424.17	1A	691		24	187 28	5859
OL HANGAR	415938.68	0875449.85	1A	779		112	335 24	5879
OL TANK	415924.94	0875317.29	1B	773		106	49 54	5894
LIGHT STANDARD	415801.04	0875514.23	1A	703		36	225 8	6369
ROD ON ASR	415850.25	0875540.14	1A	753		86	274 47	6380
ROD ON RTR TOWER	415757.05	0875319.83	1A	715		48	141 3	6549
TREE	415801.59	0875518.81	1A	701		34	227 39	6576
TREE	415956.19	0875410.09	1A	702		35	4 49	7074
ROD ON BUILDING	415742.53	0875335.15	1A	668		1	155 53	7161
POLE	415950.69	0875334.72	1A	676		9	26 49	7208
TREE	415820.97	0875556.96	1A	756		89	252 40	8061
OL HANGAR	415933.24	0875542.30	1A	741		74	307 16	8067
TREE	415737.70	0875315.73	1A	674		7	148 10	8308
ANTENNA ON OL BUILDING	415958.26	0875319.70	1A	742		75	31 33	8416
FLAGPOLE ON HOPPER	415738.30	0875306.30	1A	719		52	144 0	8669
TREE	420009.78	0875340.62	1A	689		22	18 48	8846
TREE	415920.85	0875609.25	1A	715		48	293 26	9247

OC0166 File Continued from Previous Page

AIRPORT ELEVATION 667

ARP 415846.435N 0875415.837W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
POLE	420013.60	0875513.63	1A	685		18	334 59	9844
ANTENNA ON OL BUILDING	420008.86	0875306.34	1A	739		72	33 28	9857
TREE	420020.17	0875453.85	1A	695		28	344 28	9913
TREE	415927.38	0875616.32	1A	706		39	295 48	9998
ROD ON MICROWAVE TOWER	415822.72	0875625.43	1A	798		131	257 32	10079
TANK	415714.49	0875508.54	1B	792		125	204 28	10122
MICROWAVE TOWER	415703.42	0875450.87	1B	811		144	195 33	10759
VENT ON OL BUILDING	415837.84	0875149.23	1A	767		100	95 47	11108
OL ANTENNA	415710.61	0875302.60	1A	783		116	151 36	11167
LIGHT STANDARD	415655.74	0875435.33	1A	740		73	188 47	11302
FLGPL ON HOPPER	420000.02	0875612.59	1A	776		109	311 30	11542
OL ANTENNA	415707.01	0875544.29	1B	845		178	214 53	12081
OL ON TANK	415628.04	0875342.83	1B	810		143	171 12	14229
OL ON RADIO TOWER	415536.33	0875656.11	1A	1108	432	441	213 30	22737



TOUCHDOWN ZONE RUNWAY	ELEVATION
4L	659
22R	652
4R	661
22L	654
9L	660
27R	654
9R	666
27L	652
14L	652
32R	653
14R	667
32L	654
18	651

CHICAGO-O'HARE INTERNATIONAL AIRPORT

CHICAGO, ILLINOIS

(NOT TO SCALE)